

# Converting Colors

XYZ(86.7619, 93.9799,  
108.1748)

Have a look what the booklet for  
XYZ(86.7619, 93.9799, 108.1748)  
contains.

<b>XYZ(86.8081, 93.8765, 108.1524)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# **Color**

**XYZ(86.8081, 93.8765,  
108.1524)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBFBFF
RGB	235, 251, 255
RGB Percent	92%, 98%, 100%
CMY	0.0784, 0.0157, 0.0000
CMYK	0.08, 0.02, 0.00, 0.00
HSL	192°, 100%, 96%
HSV	192°, 8%, 100%
XYZ	86.8081, 93.8765, 108.1524
YIQ	246.6720, -10.8200, -2.1480

# Conversions

## Conversions Part 2

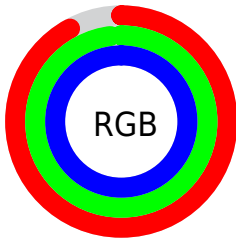
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	235, 244, 255
Decimal	15465471
CIE Lab	97.58, -4.46, -3.72
CIE LCh	98, 5.811, 219.806
Yxy	93.8765, 0.3005, 0.3250
Android (android.graphics.Color)	4293655551 (0xFFEBFBFF)
YUV	246.6720, 4.1057, -10.2363
Hunter-Lab	96.8899, -9.6310, 1.6410

# Details

The XYZ color **86.8081, 93.8765, 108.1524** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.1011, 88.9892, 91.1847**, and the grayscale version is **88.1178, 92.7068, 100.9577**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.2986, 52.6911, 61.0509** is the 20% darker color. If you saturate the color by 10%, you get **77.4158, 86.7068, 107.2636**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

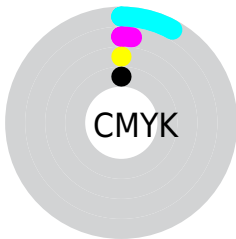
# Distribution



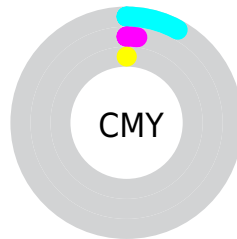
- Red (92%)
- Green (98%)
- Blue (100%)



- Red (92%)
- Yellow (96%)
- Blue (100%)



- Cyan (8%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)




- Cyan (8%)
- Magenta (2%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 86.8081, 93.8765, 108.1524 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 86.8081, 93.8765, 108.1524 by changing the saturation by 10% instead.




 86.8081, 93.8765,  
108.1524

 86.8081, 93.8765,  
108.1524

505.9861,  
540.5619, 607.4942

 65.6639, 71.2002,  
82.4714


141.7977,  
152.7115, 174.4654

 48.2663, 52.5056,  
61.2161


176.3738,  
189.6391, 215.9345

 34.2500, 37.4083,  
43.9679


216.1579,  
232.0859, 263.5035

 23.2495, 25.5237,  
30.3083

261.5154,  
280.4363, 317.5908

 14.8996, 16.4677,  
19.8187

312.8116,  
335.0747, 378.6149

 8.8348, 9.8557,  
12.0805

370.4118,

 4.6898, 5.3034,

396.3855, 446.9945

6.6753

434.6816,  
464.7531, 523.1481

■ 2.0993, 2.4264,  
3.1846

■ 0.6888, 0.8394,  
1.1896

■ 86.8081, 93.8765,  
108.1524

■ 86.8081, 93.8765,  
108.1524

■ 77.4158, 86.7068,  
107.2636

95.0500, 100.0000,  
108.9000

■ 69.2193, 80.2139,  
106.4423

■ 62.1659, 74.3730,  
105.6867

■ 56.1962, 69.1527,  
104.9937

■ 51.2450, 64.5191,  
104.3603

■ 47.2400, 60.4343,  
103.7829

■ 44.0992, 56.8555,  
103.2577

■ 41.7256, 53.7322,  
102.7799

■ 39.9897, 50.9971,  
102.3435

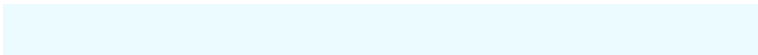
# Harmonies

## Analogous

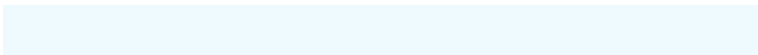
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.1324, 93.8765, 103.7732



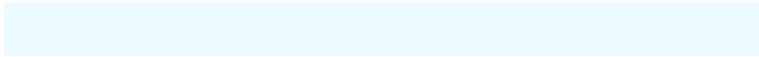
86.8081, 93.8765, 108.1524



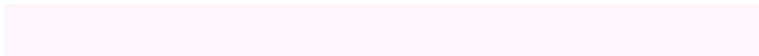
88.1345, 93.8765, 110.9959

# Triad

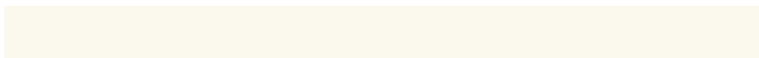
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.8081, 93.8765, 108.1524



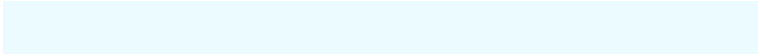
92.2422, 93.8765, 105.3891



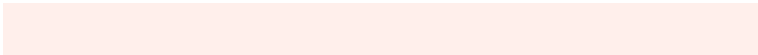
88.6868, 93.8765, 93.5085

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



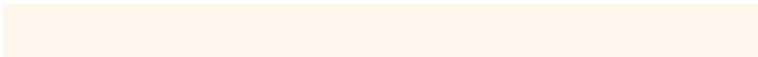
86.8081, 93.8765, 108.1524



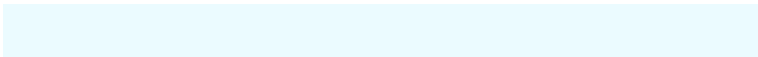
87.1011, 88.9892, 91.1847

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.3281, 93.8765, 93.9109



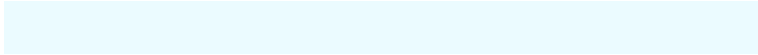
86.8081, 93.8765, 108.1524



92.3945, 93.8765, 100.6736

# Square

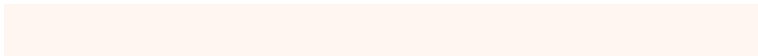
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.8081, 93.8765, 108.1524



91.2764, 93.8765, 109.3666



91.6900, 93.8765, 96.5000

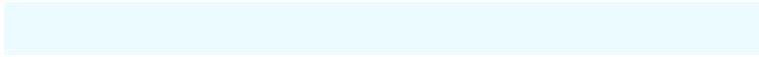


87.2081, 93.8765, 95.3832

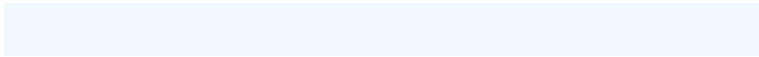


# Rectangle

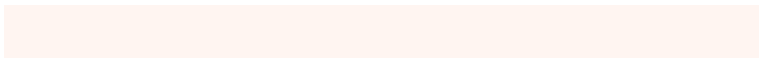
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.8081, 93.8765, 108.1524



89.2160, 93.8765, 111.5878



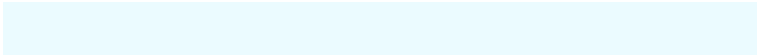
91.6900, 93.8765, 96.5000



89.2376, 93.8765, 93.3833

# Sweetspot

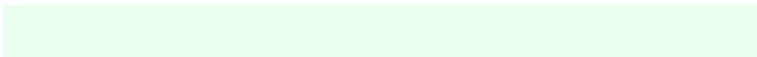
The Sweet Spot groups the original color and five complimentary colors.



86.8105, 93.8804, 108.1531



92.8744, 98.3973, 108.7053



85.5526, 95.3949, 95.3086



19.9018, 21.0779, 23.2695



0.0000, 0.0000, 0.0000

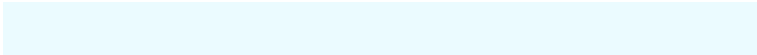


20.3446, 21.4041, 23.3091

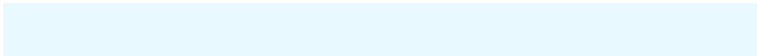


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.8105, 93.8804, 108.1531



85.6599, 93.0142, 108.0465



83.8661, 87.9914, 107.1716



18.2285, 19.8287, 23.1165



20.8309, 26.5713, 53.4655



2.1029, 2.7364, 5.2306



# Inverse Universe

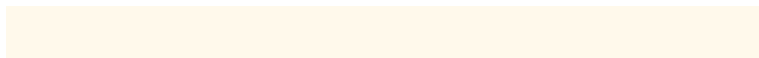
The Inverse Universe completely reimagines the original color for something new.



88.3624, 87.6432, 103.5310



87.4313, 85.9296, 102.7628



90.0086, 94.8041, 92.1538



18.6280, 18.2345, 21.9242



27.3026, 13.4104, 31.3079

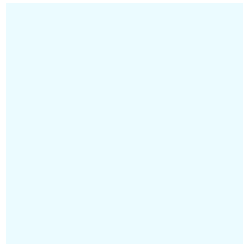


2.6960, 1.3208, 3.2467



# Previews

## White Background



This preview shows how the XYZ color 86.8081, 93.8765, 108.1524 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

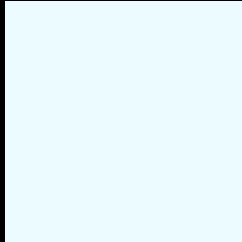
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 86.8081, 93.8765, 108.1524 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

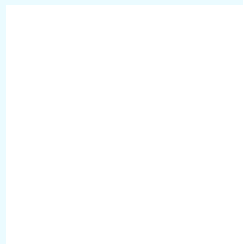
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 86.8081, 93.8765, 108.1524

## Background



This preview shows how black text looks on a background with the XYZ color 86.8081, 93.8765, 108.1524.



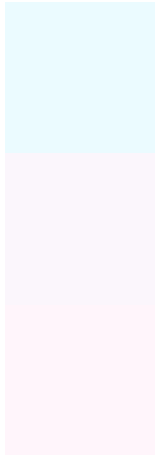
This preview shows how white text looks on a background with the XYZ color 86.8081, 93.8765,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

86.8081, 93.8765, 108.1524

### Protanopia

90.3101, 93.4490, 105.3731

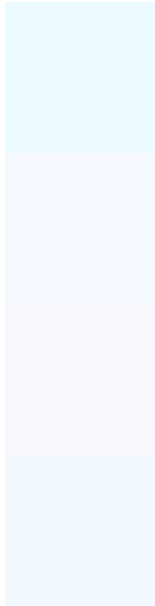
### Deuteranopia

91.3050, 93.5299, 104.5076

## Tritanopia

88.9256, 93.5879, 107.9851

# Trichromacy



## Original Color

86.8081, 93.8765, 108.1524

## Protanomaly

88.9532, 93.6391, 106.3143

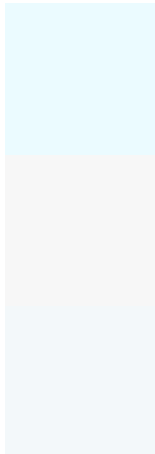
## Deuteranomaly

89.5429, 93.5063, 105.4246

## Tritanomaly

88.2013, 93.6721, 108.0396

# Monochromacy



## Original Color

86.8081, 93.8765, 108.1524

## Achromatopsia

88.4070, 93.0111, 101.2891

## Achromatomaly

87.7849, 93.0916, 103.7842

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 86.8081, 93.8765, 108.1524 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(235, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(235, 251, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(235, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 251, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 86.8081, 93.8765, 108.1524 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(235, 251, 255) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(235, 251, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(235, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(235, 251,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 86.8081, 93.8765, 108.1524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 251, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(235,  
251, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor